

Study on Increasing Vitamin B<sub>2</sub> in Flavin Yeast,  
Report No 2. Simple Method of Making Flavin Yeast,  
by H. Inoue, K. Inoue, S. Kitayama, 7 pp.

Full translation.

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Rapid Method of Detecting Minute Quantities of Chloride Dioxide by Means of Detector Tubes,  
by T. Kitagawa, Y. Kobayashi.

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Kakuichi Kitahara.

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NTC-69-13259-11L

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Catalytic Oxidation of Petroleum Hydrocarbons  
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Acid by the Oxidation of the Butane-Ethylene  
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AL-IT-2405  
MS 8040J

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**OXIDATION BY HYDROGEN PEROXIDE AND SULFURIC ACID. Pt. 1 of Synthesis of α, β-Unsaturated Acids and their Esters by the Oxidation of α, β-Unsaturated Aldehydes. [1962] 14p.**  
Order from ATS \$18.50      ATS-78P64

Trans. of Rikagaku Kenkyūjo Hokoku (Japan) 1962,  
v. 33, no. 1, p. 81-89.

**DESCRIPTORS:** "Organic acids, "Esters, Synthesis,  
"Aldehydes, "Hydrogen compounds, "Peroxides,  
"Selenium compounds, "Dioxides, Oxidation.

(Chemistry--Organic, TT, v. 9, no. 2)

63-12261

- I. Kitahara, M.  
II. Mitsui, T.  
III. Hirayama, T.  
IV. ATS-78P64J  
V. Title: Synthesis ...  
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Office of Technical Services

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Instdoc-21643

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| <p>Kitahara, Saburo, Asahara, Hiromasa, and<br/>Atoda, Tetsuzo.<br/><b>METHOD FOR QUANTITATIVE ANALYSIS OF FREE<br/>CARBON IN BORON CARBIDE.</b> Rept. no. 1 on Quantitative<br/>Analysis of Impurities in Boron Carbide.<br/>1 June 60, 10p. 3 refs.<br/>Order from SLA \$1.10</p> <p>Trans. of mono. [paper] presented at Science Research<br/>Institute Meeting (no. 53) Oct 57.</p> <p><b>DESCRIPTORS:</b> *Carbon, Chemical analysis, Oxidation,<br/>Decomposition, *Boron compounds, *Carbides,<br/>Carbon dioxide, Production, Quantitative analysis,<br/>Impurities.</p> <p>The analysis for total carbon content can be obtained<br/>by treating a 10- to 25-mg sample in an oxidation bath<br/>containing 0.5 g of K<sub>1</sub>O<sub>3</sub> and 5 ml of concentrated<br/>(Chemistry--Analytical, TT, v. 7, no. 7) (over)</p> | <p>61-18575</p> <p>I. Kitahara, S.<br/>II. Asahara, H.<br/>III. Atoda, T.<br/>IV. Title: Quantitative ...</p> <p>Office of Technical Services</p> |
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| Kirahara, Saburo, Asahara, Hiromasa, and<br>Atoda, Tetsuzo.<br>METHOD FOR QUANTITATIVE ANALYSIS OF FREE<br>CARBON IN BORON CARBIDE. Rept. no. 1 on Quantitative<br>Analysis of Impurities in Boron Carbide.<br>1 June 66, 10p. 3 refs.<br>Order from SLA \$1.10 |  | 61-18575  |
| Transl. of Jpn. (paper) presented at Science Research<br>Institute Meeting (no. 53) Oct 57.   |  | I. Kirahara, S.<br>II. Asahara, H.<br>III. Atoda, T.<br>IV. Title: Quantitative ... |
| DESCRIPTIONS: *Carbon, Chemical analysis, Oxidation, Decomposition, *Boron compounds, *Carbides, Carbon dioxide, Production, Quantitative analysis, Impurities.   |  | 197171  |
| The analysis for total carbon content can be obtained by treating a 20- to 25-mg sample in an oxidation bath containing 0.5 g of KIO <sub>3</sub> and 5 ml of concentrated (Chemistry--Analytical, TT, v. 7, no. 7) (over)                                      |  | Office of Technical Services  |

On Ether-Extraction of Fluorides or Hydrofluoric Acid Solutions of Various Elements, by Saburo Kitahara, 6 pp.

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NYC-69-16750-112

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Petrov, Yu. M.  
LONG PERIODS IN ENANT FIBERS. [1962] 2p.  
Order from ATS \$2.50 ATS-16P59R

• Trans. of Vysokomolekulyarnye Soedineniya (USSR)  
1961, v. 3, no. 9, p. 1428.

DESCRIPTORS: \*Synthetic fibers, \*Amines,  
\*Enanthic acid, Polymers, Preparation, Condensation  
reactions.

62-17157

- I. Title: Enanth fibers
- II. Kitaigorodskii, A. I.
- III. Tsvankin, D. Ya.
- IV. Petrov, Yu. M.
- V. Associated Technical Services, Inc.,  
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by I. I. Rodzinskaya, G. I. Kitaevskaya,  
M. M. Slobodchikova, N. V. Kostyleva,  
O. A. Kitaevskaya, T. V. S., 1964, 39 C3-62.  
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I. I. Kitaevskaya

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On the Analysis of Spectra of Wind-Generated Wave Motion  
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Amer Geophys Union

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JPRS 9248

Four - Yugoslavia

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Effect of the Administration of Vitamin B<sub>1</sub> and Vitamin B<sub>2</sub> on the growth of the Fetus, by R. Takada, M. Nishio, M. Kitamura, 3 pp.

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Effect of Enrichment With Vitamin A and D on the Health  
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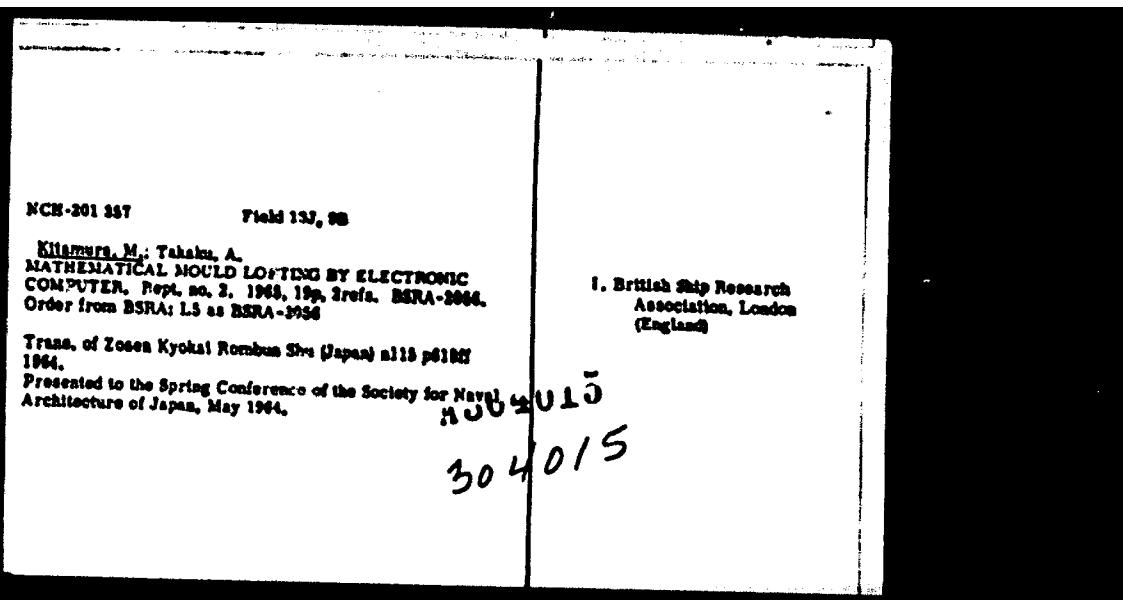
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Scientific - Medicine, drugs, barbiturates

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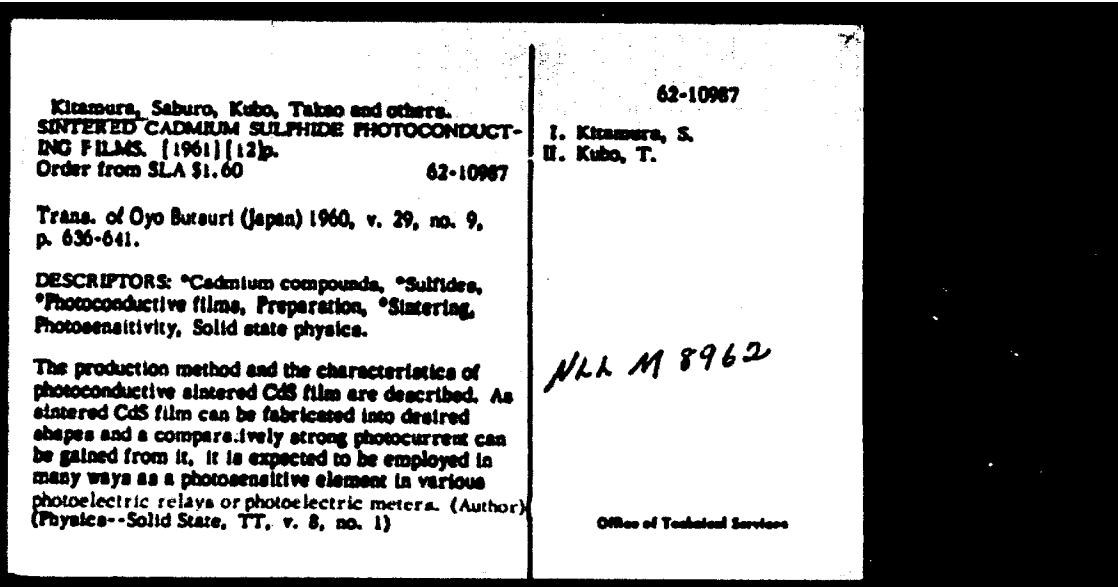
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DESCRIPTORS: \*Tobacco, Pharmacology, Alkaloids, \*Nicotine.

(Biological Sciences--Pharmacology, 17, v. 2, no. 2)

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M. Terada.

C-23 P. NSA

*Second Japan Conference on  
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METHOD FOR THE MANUFACTURE OF OXID  
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Order from AC \$4.00

Trans. of [published] Japanese patent 4331(50). by  
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DESCRIPTORS: \*Oxygen, \*Phosphorus compounds,  
\*Chlorides, Manufacturing methods, Economics.

The invention relates to a method for the manufacture  
of ox! phosphorus chloride, comprising the ignition  
and reaction of the mixture of phosphorus trichloride  
or a substance capable of forming phosphorus tri-  
chloride or containing it and oxygen or the air in a  
gaseous state at the ratio of 2 mols of phosphorus  
trichloride to one mol of oxygen. The purpose of the  
invention lies in manufacturing at a high yield and  
(Engineering--Chemical, TT, v. 7, no. 3) (over)

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On the Synthesis of Arylvinylsulphones and Their  
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v. 74, no. 2, p. 76-72.

DESCRIPTORS: Aliphatic compounds, Alcohols,  
Terpenes, Zincil.

62-20716

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aceto-3-OL-2
2. TERP. Phenol
3. Kondo
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5. Comite National de la  
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- IV. Topic: Synthese...
- V. Topic: Dihydro...

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Scientific - Medicine

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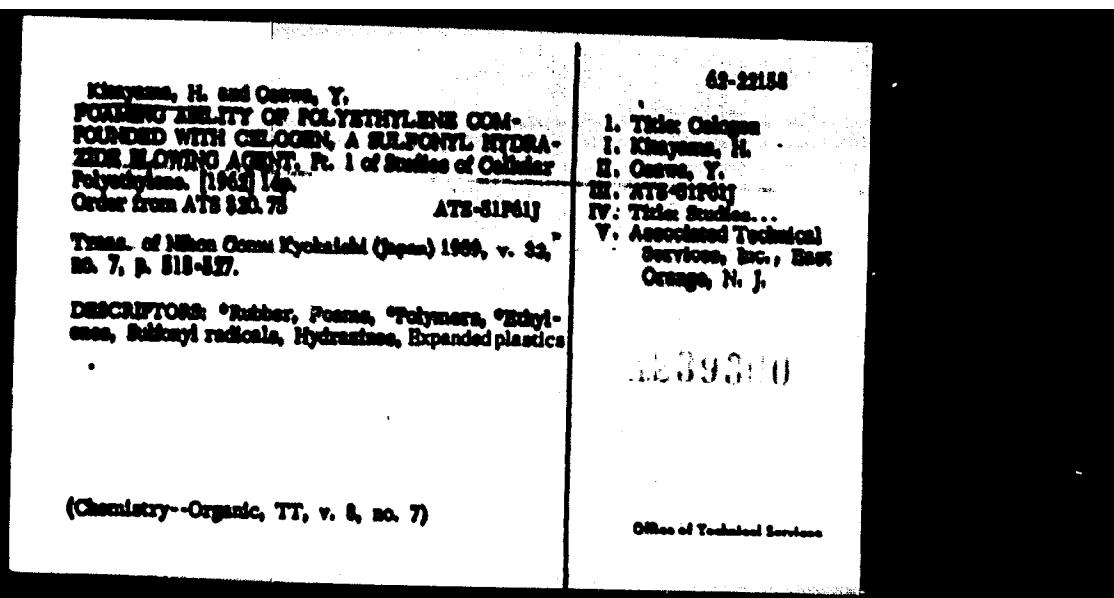
SLA 60-16676

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Studies of Cellular Polyethylene. [1962] 14p.  
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DESCRIPTORS: \*Polymers, \*Ethylenes, \*Expanded  
plastics, Carbon compounds, Amides, Azo radicals,  
Cyclopentanes, Amines, Nitroso radicals, Foams,  
Pentanes, Methanes.

(Chemistry--Organic, TT, v. 8, no. 5)

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Present State of the Theory of Heat Exchanges  
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BBM 3160

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Hold-Up of Molten ~~METALLIC~~ Materials in the  
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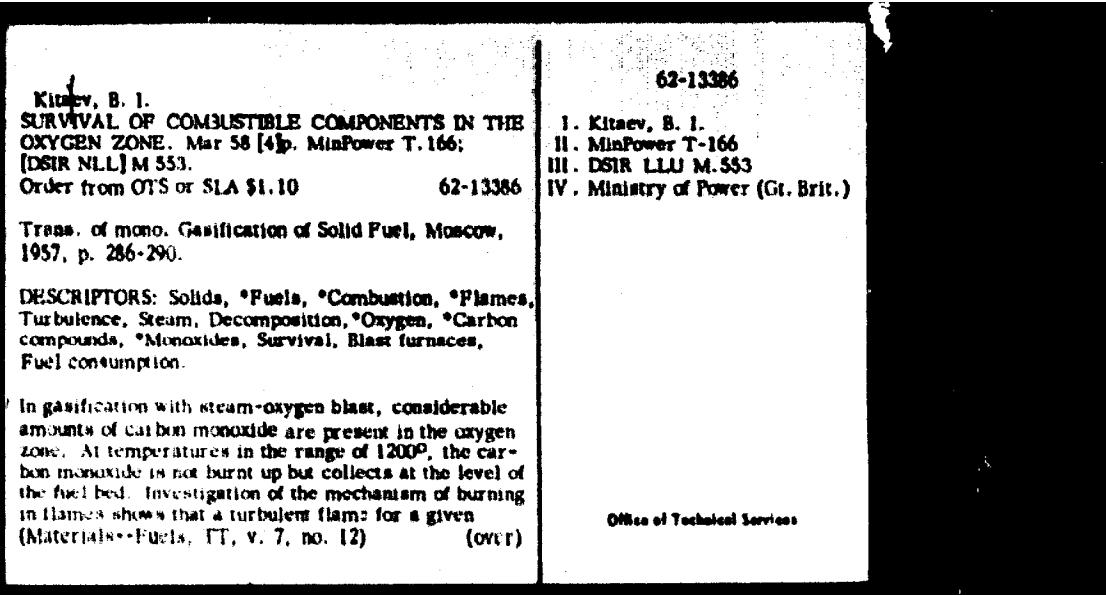
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Economic - Communication, transportation, rail

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*Kitayev, Yu. P.*

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A Study of the Tautomerism and Geometric Isomerism of  
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